

FORM PTO-1449  <u>INFORMATION DISCLOSURE CITATION</u>		O I P E JUL 14 1999 PATENT & TRADEMARK OFFICE JC60		Attorney Docket AR218-X	Serial Number 09/204,236	
		O I P E JUL 14 1999 PATENT & TRADEMARK OFFICE JC60		Applicant HAMILTON, NORMAN, WU	Filing Date 12/3/98	Group Art Unit 1614
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initial		Document Number	Name	Class	Sub-Class	Filing Date
<i>cr</i>	AA	5,721,256	Hamilton et al.	-		2/12/97
	AB	5,717,092	Armistead et al.	-		3/29/96
	AC	5,714,510	Proctor	-		6/5/95
	AD	5,703,088	Sharpe et al.	-		6/4/92
	AE	5,696,135	Steiner et al.	-		5/28/96
	AF	5,654,332	Armistead et al.	-		6/8/95
	AG	5,620,971	Armistead et al.	-		3/25/94
	AH	5,614,547	Hamilton et al.	-		6/7/95
	AI	5,604,294	Luly et al.	-		3/14/94
	AJ	5,599,927	Or et al.	-		12/15/95
	AK	5,585,397	Tung et al.	-		3/17/94
	AL	5,543,423	Zelle et al.	-		1/23/95
	AM	5,516,797	Armistead et al.	-		4/11/94
	AN	5,506,243	Ando et al.	-		4/28/94
<i>cr</i>	AO	5,504,197	Schubert et al.	-		3/22/93
<b>FOREIGN PATENT DOCUMENTS</b>						
		Document Number	Date	Country	Class	Trans-lation
<b>OTHER</b> (Including Author, Title, Date, Pertinent Pages, etc.)						
Examiner <i>cr</i>				Date Considered 1/19/06		
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FORM PTO-1449	JUL 14 1999 PATENT & TRADEMARK OFFICE USPTO	Attorney Docket AR218-X	Serial Number 09/204,236 -
<u>INFORMATION DISCLOSURE STATEMENT</u>		Applicant HAMILTON, NORMAN, WU	
		Filing Date 12/3/98	Group Art Unit 1614

**U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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<u>INFORMATION DISCLOSURE CITATION</u>		Applicant HAMILTON, NORMAN, WU	
		Filing Date 12/3/98	Group Art Unit 1612

*O I P E J C O  
P A T E N T & T R A D E M A R K S*

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date
a	AA	5,663,174	9/2/97	Dumont et al.			1/17/97
a	AC	5,646,167	7/8/97	MacPherson et al.			6/7/95
v	AD	5,629,325	5/13/97	Lin et al.			6/6/96

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-Class	Trans-lation
a	AE	WO 98/08827	05/05/98	PCT			YES
a	AF	WO 98/08814	05/03/98	PCT			YES
a	AG	WO 97/49695	31/12/97	PCT			YES
v	AH	WO 97/48681	24/12/97	PCT			YES
v	AI	WO 97/38008	16/10/97	PCT			YES

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

v	AJ	Ahman, Jens and Somfai, Peter, "Preparation and Intramolecular Radical Cyclization of Some Cyclic N-Sulfonylenamines," <u>J. Chem. Soc., Perkin Trans. 1</u> , 1994, 8, 1079-82.					
v	AK	Aketa, Kohichi et al., "Stereochemical Studies. XL. A Biomimetic Conversion of L-Lysine Into Optically Active 2-Substituted Piperidines. Synthesis of D- and L-Pipecolic acid, and (S)-(+)-Coniine From L-Lysine." <u>Chem. Pharm. Bull.</u> , 24(4), 1976, 621-31.					
v	AL	Alfes, H. et al., "Use of Mass Spectrometry for Identifying Central Nervous System-Stimulating Drugs (Doping Agents) Through Their DANS Derivatives." <u>Sportarzt Sportmed.</u> , 22(5), 1971, 104-5. (In German)					
v	AM	Alo, Babajide I. et al., "N-(Arylsulfonyl)tetrahydropyridinium Salts: Intermediates for Multi-Ring Heterocycles. Part 1. Synthesis of Hexahydropyrido[1,2-b][1,2,4]benzothiadiazine Dioxides," <u>J. Chem. Soc., Perkin Trans. 1</u> , 1990, 7, 1835-38.					
v	AN	Alo, Babajide I. et al., "Synthesis of 1,2,4-Benzothiadiazines Via Readily Generated Iminium ions," <u>J. Chem. Soc., Perkin Trans. 1</u> , 1986, 5, 805-08.					

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<u>INFORMATION DISCLOSURE CITATION</u>					Applicant HAMILTON, NORMAN, WU		Filing Date 12/3/98	
							Group Art Unit 1612	
<b>U.S. PATENT DOCUMENTS</b>								
Examiner Initial		Document Number	Date	Name		Class	Sub-Class	Filing Date
<i>ar</i>	BA	5,571,832	11/5/96	De Costa et al.				6/20/94
	BB	5,463,007	10/31/95	Pinschmidt et al.				5/19/93
	BC	5,128,483	7/7/92	Trybulski et al.				5/8/91
	BD	5,071,844	12/10/91	Alker et al.				5/23/90
	BE	4,943,570	7/24/90	Constansa et al.				4/28/89
<i>ar</i>	BF	4,642,348	2/10/87	Shanklin, Jr.				7/1/85
<b>FOREIGN PATENT DOCUMENTS</b>								
Examiner Initial		Document Number	Date	Country		Class	Sub-Class	Trans-lation
<i>ar</i>	BG	WO 97/36869	10/9/97	PCT				YES
	BH	WO 97/23458	7/3/97	PCT				YES
	BI	WO 97/23202	7/3/97	PCT				YES
<i>ar</i>	BJ	WO 96/33175	10/24/96	PCT				YES
<b>OTHER</b> (Including Author, Title, Date, Pertinent Pages, etc.)								
<i>ar</i>	BM	Artico, Marino et al., "Synthesis of Pyrryl Aryl Sulfones Targeted at the HIV-1 Reverse Transcriptase," <u>Arch. Pharm.</u> , 1995, 328(3), 223-9.						
<i>ar</i>	BN	Baumgarten et al., Hoppe-Seyler's Z. Physiol. Chem., 1932, 209(145), 159. (Beilstein Registration No. 12360).						
<i>ar</i>	BO	H. Bayard Milne and Chi-Hsieh Peng, "Use of Benzylsulfonyl Chloride in Peptide Synthesis," <u>Chem. Abstr.</u> , 1957, 51:10375i.						
<i>ar</i>	BP	Brown, Dearg S. et al., "Substitution Reactions of 2-(Phenylsulfonyl)Piperidines and -Pyrrolidines With Carbon Nucleophiles: Synthesis of the Pyrrolidine Alkaloids Norruspoline and Ruspolinone," <u>Tetrahedron</u> , (1991), 47(7), 1311-28.						
Examiner <i>elmy</i>				Date Considered <i>1/19/00</i>				
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<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date
<i>u</i>	CA	4,596,819	6/24/86	Nicolaides et al.			1/23/84
<i>l</i>	CB	4,377,521	3/22/83	Holland			1/4/80
<i>u</i>	CC	4,217,130	8/12/80	Tsuruta et al.			10/24/78
<b>FOREIGN PATENT DOCUMENTS</b>							
		Document Number	Date	Country	Class	Sub-Class	Trans-lation
<i>u</i>	CE	WO 96/20949	7/11/96	PCT			YES
<i>l</i>	CF	WO 96/20725	7/11/96	PCT			YES
<i>u</i>	CG	WO 96/11195	4/18/96	PCT			YES
<i>u</i>	CH	WO 93/05014	3/18/93	PCT			YES
<b>OTHER</b> (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>u</i>	CI	Busson, R. and Vanderhaeghe, H., Synthesis and Circular Dichroism of (5S)-1-Azabicyclo[3.2.0]Heptan-7-one." <u>J. Org. Chem.</u> , 43(23), 1978, 4438-41.					
<i>u</i>	CJ	Collins, Mark A. and Jones, D. Neville, "Efficient Synthesis of Bicyclo[2.2.1]Heptane Derivatives Via Stereoselective Intramolecular Michael Reactions of Vinyl Sulfones." <u>Tetrahedron</u> , 52(26), 1996, 8795-8806.					
<i>u</i>	CK	Davis, Franklin A. et al., "Chiral Sulfamides: Synthesis of Optically Active 2-Sulfamylloxaziridines. High Enantioselectivity in the Asymmetric oxidation of sulfides to Sulfoxides." <u>J. Org. Chem.</u> , 49(8), 1984, 1465-67.					
<i>u</i>	CL	DeRuiter, Jack et al., "In Vitro Aldose Reductase Inhibitory Activity of Substituted N-Benzenesulfonyl-glycine Derivatives," <u>J. Pharm. Sci.</u> , 1987, 76(2), 149-52.					
<i>u</i>	CM	Dokuzovic, Zdravko et al., "Asymmetric Synthesis. Metal Complex Mediated Synthesis of Chiral Glycine by Enantioselective Proton Exchange." <u>J. Am. Chem. Soc.</u> , 108(8), 1986, 2034-39.					
<i>u</i>	CN	Ejima, Akio et al., "Antitumor Agents. 1. Asymmetric Synthesis of (S)-Camptothecin," <u>Tetrahedron Lett.</u> , 1989, 30(20), 2639-40.					
Examiner <i>u</i>				Date Considered <i>1/19/00</i>			
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<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date
<i>a</i>	DA	3,890,311	6/17/75	Wei et al.			3/18/74
<i>l</i>	DB	3,501,512	3/17/70	Wei et al.			2/3/69
<i>l</i>	DC	3,424,749	1/28/69	Pfenninger			1/19/67
<i>a</i>	DD	3,277,087	10/4/66	Wei et al.			8/21/64
<b>FOREIGN PATENT DOCUMENTS</b>							
		Document Number	Date	Country	Class	Sub-Class	Trans-lation
<i>a</i>	DF	WO 92/21313	12/10/92	PCT			YES
<i>l</i>	DG	WO 92/11850	7/23/92	PCT			YES
<i>l</i>	DH	WO 92/11245	7/9/92	PCT			YES
<i>l</i>	DI	EP 769498	4/23/97	EP			YES
<i>a</i>	DJ	EP 557842	2/15/93	EP			NO
<b>OTHER</b> (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>a</i>	DK	El-Naggar, A.M. et al., "Synthesis and Biological Activity of Some New Dibenzofuran- and 7-Nitrodibenzofuran-2-Sulfonylamino Acid Derivatives," <u>Acta Pharm. Jugosl.</u> , 1985, 35(1), 15-22.					
<i>a</i>	DL	El-Naggar, A.M. et al., "Synthesis and Biological Activity of Some New Quinoline-8-Sulfonylamino Acid and Dipeptide Derivatives," <u>Acta Pharm. Jugosl.</u> , 1983, 33(2), 103-10.					
<i>a</i>	DM	El-Naggar, A.M. et al., "Synthesis of Thiophene-2-Sulfonyl-Amino Acid and Dipeptide Derivatives," <u>Egypt J. Chem.</u> , 1981, 23(4), 273-9.					
<i>a</i>	DN	Fricker, Lloyd D. and Solomon, Snyder H., "Purification and Characterization of Enkephalin Convertase, an Enkephalin-Synthesizing Carboxypeptidase," <u>J. Biol. Chem.</u> , (1983), 258(18), 10950-5.					
<i>a</i>	DO	Fujita, Tsunehisa et al., "Free-Radical Polymerization of Maleimide Derivatives in the Presence of Chiral Substances," <u>J. Macromol. Sci., Chem.</u> , 1988, A25(3), 327-36.					
Examiner <i>el</i>				Date Considered 4/19/00			
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FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub-Class	Trans-lation
<u>u</u>	EA	EP 476933	3/25/92	EP			YES
<u>u</u>	EB	DE 4425950	1/25/96	Germany			NO
<u>u</u>	EC	JP 64-19063	1/23/89	Japan			NO
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<u>u</u>	ED	Hosaka, Toshihiro, et al., "An Efficient Protocol for the Selective Reduction of Benzenesulfonyllactam to Benzenesulfonyl Cyclic Amine," <u>Tetrahedron Lett.</u> , 1997, 38(20), 3535-38.					
<u>u</u>	EF	Huart, Catherine and Ghosez, Leon, "Asymmetric Cyclopentannulation of Cyclic Enones With a Chiral 1,3-Dipole Equivalent." <u>Angew. Chem.</u> , 36(6), 1997, 634-36.					
<u>u</u>	EG	Hui, Koon-Sea et al., "Separation of Alkylamino-naphthalenesulfonyl Peptides and Amino Acids by High-Performance Liquid Chromatography. Methods for Measuring melanotropin Inhibiting Factor Breakdown," <u>J. Chromatogr.</u> , 1980, 192(2), 341-50.					
<u>u</u>	EH	Ibrahim, T.M. et al., "Synthesis and Antimicrobial Activity of Some New 4-nitrothiophene-2-sulphonyl Amino Acid Derivatives," <u>Indian J. Heterocycl. Chem.</u> , 1993, 3(1), 31-36.					
<u>u</u>	EI	Ibrahim, T M et al., "Synthesis and Antimicrobial Activity of Some New 7-Methoxy-4-Methylcoumarin-6-Sulfonylamino Acid Derivatives," <u>Proc. Indian Natl. Sci. Acad., Part A</u> (1994), 60(2), 433-39.					
<u>u</u>	EJ	Kozikowski, Alan P. et al., "Alzheimer's Therapy: An Approach to Novel Muscarinic Ligands Based Upon the Naturally Occurring Alkoid Himbacine." <u>Bioorg. Med. Chem. Lett.</u> , 2(8), 1992, 797-802.					
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		Document Number	Date	Country	Class	Sub-Class	Trans-lation
<u>w</u>	FA	JP 09-169758	6/30/97	Japan			NO
<b>OTHER</b> (Including Author, Title, Date, Pertinent Pages, etc.)							
<u>w</u>	FB	Malin, D.H. et al., "Subcutaneous Injection of an Analog of Neuropeptide FF Prevents Naloxone-Precipitated Morphine Abstinence Syndrome," <u>Drug Alcohol Depend.</u> , (1995), 40(1), 37-42.					
<u>w</u>	FC	Malaska, Michael J. et al., "Simplified Analogs of Himbacine Displaying Potent Binding Affinity for Muscarinic Receptors." <u>Bioorg. Med. Chem Lett.</u> , 3(6), 1993, 1247-52.					
<u>w</u>	FD	Maekawa, K. et al., "Pesticides Derived From Amino Acids," <u>Environ. Qual. Saf. Suppl.</u> (1975), 3(Pesticides), 748-53.					
<u>w</u>	FE	Moree, Wilna J., et al., "Synthesis of Peptidosulfinamides and Peptidosulfonamides: Peptidomimetics Containing the Sulfinamide or Sulfonamide Transition-State Isostere," <u>J. Org. Chem.</u> , 1995, 60(16), 5157-69.					
<u>w</u>	FF	Moree, Wilna J., et al., "Exploitation of Subtilisin BPN' as Catalyst for the Sythesis of Peptides Containing Noncoded Amino Acids, Peptide Mimetics and Peptide Conjugates," <u>J. Am. Chem. Soc.</u> , 1997, 119(17), 3942-47.					
<u>w</u>	FG	Moss, William et al., "Ketene S,S-Acetals as 1,3-Dipolarophiles Towards Azides. A New Synthetic Entry Into Cyclic Amino Acids," <u>Tetrahedron</u> , (1992), 48(36), 7551-64.					
<u>w</u>	FH	Nagasawa, H.T. et al., "Medium Ring Homologs of Proline as Potential Amino Acid Antimetabolites," <u>J. Med. Chem.</u> , 1971, 14(6), 501-08.					
<u>w</u>	FI	Nicolaides et al., "Modified Di- and Tripeptides of the C-Terminal Portion of Oxytocin and Vasopressin as Possible Cognition Activation Agents." <u>J. Med. Chem.</u> , 29(6), 1986, 959-71.					
Examiner <u>Ch</u>			Date Considered <u>1/19/00</u>				
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<b>FOREIGN PATENT DOCUMENTS</b>							
		Document Number	Date	Country	Class	Sub-Class	Trans-lation
<i>d</i>	GA	JP 05-194235	8/3/93	Japan			NO
<i>u</i>	GB	JP 03-181475	8/7/91	Japan			NO
<b>OTHER</b> (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>u</i>	GC	Nkunya, M. H. H. and Zwanenburg, B., "Asymmetric Synthesis of $\alpha, \beta$ -Epoxy Sulfonamides (Oxiranesulfonamides)." <u>Recl. Trav. Chim. Pays-Bas</u> , 104(10), 1985, 253-59.					
<i>u</i>	GD	Otto, A. et al., "Detection of C-Terminal Amidated Amino Acids in Peptides by Combined Proteolysis/EI-Mass Spectrometry," <u>Pept., Proc. Eur. Pept. Symp.</u> , 20th (1989), Meeting Date 1988, 130-32.					
<i>a</i>	GE	Perrio-Huard, Cecile et al., "Syntheses of Piperidine and Perhydroazepine Derivatives, Precursors of Two Selective Antagonists of Muscarinic M <sub>2</sub> Receptors: AF-DX 384 and its Perhydroazepine Isomer." <u>J. Chem. Soc.</u> , 1(24), 1996, 2925-32.					
<i>u</i>	GF	Pravda and Rüdinger, <u>Collect.Czech. Cham. Commun.</u> , 20, (1955), 1, 6. (Beilstein Reg. No.27462).					
<i>u</i>	GG	Royer, J. and Husson, H. P., "2-Cyano-6-Oxazolopiperidine: A Powerful Tool for the Asymmetric Synthesis of Piperidine Derivatives." <u>Janssen Chim. Acta</u> , 11(2), 1993, 3-8.					
<i>u</i>	GH	Shono, Tatsuya et al., "Electroorganic Chemistry. 81. Anodic Oxidation of Sulfonamides and Amidophosphates," <u>J. Org. Chem.</u> , (1984), 49(20), 3711-16.					
<i>u</i>	GI	Stryer, Lubert and Haugland, Richard P., "Energy Transfer. Spectroscopic Ruler," <u>Proc. Natl. Acad. Sci. U.S.A.</u> , (1967), 58(2), 719-26.					
<i>d</i>	GJ	Takasuka, Mamoru et al., "FTIR Spectral Study of Intramolecular Hydrogen Bonding in Thromboxane A <sub>2</sub> Receptor Antagonist S-145 and Related Compounds. 3. Conformation and Activity of S-145 Analogs." <u>J. Med. Chem.</u> , (1991), 34(6), 1885-91.					
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							Yes No
<b>OTHER</b> (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>✓</i>	HA	Tochilkin, A. I. and Gracheva, I.N., "8-Methoxy-5-quino-linesulfonyl Chloride, A New Fluorogenic Reagent for the Detection of Amines and Amino Acids," <u>Bioorg. Khim.</u> , 1990, 16(7), 956-62.					
<i>✓</i>	HB	Toyooka, Toshimasa et al., "Evaluation of Benzofurazan Derivatives as Fluorogenic Reagents for Thiols and Amines Using High-Performance Liquid Chromatography," <u>Analyst</u> , 1989, 114(10), 1233-40.					
<i>a</i>	HC	Tsuge, Hiroyasu et al., "Highly Diastereoselective Michael Addition to Optically Active Trifluoromethylated $\alpha,\beta$ -Unsaturated Sulfonamides Based on Their Hinge-Like Conformation." <u>Tetrahedron</u> , 53(3), 1997, 823-38.					
<i>✓</i>	HD	Van den Broek, Leon A. G. M. et al., "Asymmetric Diels-Alder Reactions With Sulfines Derived From Proline." <u>J. Org. Chem.</u> , 49(10), 1984, 1691-95.					
<i>✓</i>	HE	Vedejs, Edwin et al., "Heteroarene-2-sulfonyl Chlorides (BtsCl; ThsCl): Reagents for Nitrogen Protection and >99% Racemization-Free Phenylglycine Activation with SOCl <sub>2</sub> ," <u>J. Am. Chem. Soc.</u> , 1996, 118(40), 9796-97.					
<i>✓</i>	HF	Wohl and Schaefer, "Und Laesst Das Erhaltene Oel in Der Kaelte Stehen, <u>Thiele, Chem.Ber.</u> , 38, (1905), 4157-60.					
<i>✓</i>	HG	Zhou, Ye and Sun, Zengpei, "Liquid Chromatographic Evaluation of Chiral Derivatizing Reagents for the Resolution of Amine and Alcohol Enantiomers," <u>J. Chromatogr.</u> , (1990), 508(1), 220-4.					
<i>✓</i>	HH	Zhou, Ye et al., "Liquid Chromatographic Evaluation of a New Chiral Derivatizing Reagent for Enantiomeric Resolution of Amine and Alcohol Drugs," <u>J. Liq. Chromatogr.</u> , (1990), 13(5), 875-85.					
Examiner			Date Considered <i>1/19/08</i>				
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FORM PTO-1449			Attorney Docket AR218-X	Serial Number 09/204,236
<u>INFORMATION DISCLOSURE CITATION</u>			Applicant HAMILTON, NORMAN, WU	
			Filing Date 12/3/98	Group Art Unit 1614
<u>OTHER</u> (Including Author, Title & Date, Pertinent Pages, etc.)				
<i>a</i>	AA	Hagitani, Chemical Abstracts, Vol. 128:34575, 1997.		
	AB	MacPherson, Chemical Abstracts, Vol. 97:88995, 1997.		
	AC	Katz, Chemical Abstracts, Vol. 127:346178, 1997.		
	AD	Fernandez-Megia, Chemical Abstracts, Vol. 127:66115, 1997.		
	AE	Chen, Chemical Abstracts, Vol. 127:354894, 1997.		
	AF	MacPherson, Chemical Abstracts, Vol. 125:347383, 1996.		
	AG	MacPherson, Chemical Abstracts, Vol. 125:34156, 1996.		
	AH	Brueckner, Chemical Abstracts, Vol. 125:52625, 1996.		
	AI	Soe, Chemical Abstracts, Vol. 124:260885, 1996.		
	AJ	Takeuchi, Chemical Abstracts, Vol. 125:222388, 1996.		
	AK	Boehn, Chemical Abstracts, Vol. 124:233168, 1996.		
	AL	MacPherson, Chemical Abstracts, Vol. 95:88473.		
	AM	Ishida, Chemical Abstracts, Vol. 124:20624, 1995.		
<i>a</i>	AN	Reilly, Chemical Abstracts, Vol. 123:8863, 1995.		
Examiner <i>el</i>			Date Considered <i>1/15/00</i>	
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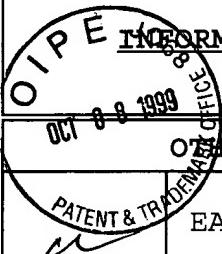
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OTHER (Including Author, Title & Date, Pertinent Pages, etc.)				
<i>a</i>	BA		Takeuchi, Chemical Abstracts, Vol. 124:20631, 1995.	
	BB		Takeuchi, Chemical Abstracts, Vol. 122:234609, 1995.	
	BC		MacPherson, Chemical Abstracts, Vol. 122:314456, 1995.	
	BD		Fernandez-Megia, Chemical Abstracts, Vol. 122:31909, 1995.	
	BE		Kimura, Chemical Abstracts, Vol. 123:9413, 1995.	
	BF		Matsubara, Chemical Abstracts, Vol. 121:275875, 1994.	
	BG		Teramoto, Chemical Abstracts, Vol. 119:140193, 1993.	
	BH		Okabe, Chemical Abstracts, Vol. 120:260511, 1994.	
	BI		Manickum, Chemical Abstracts, Vol. 122:159795, 1995.	
	BJ		Yamanaka, Chemical Abstracts, Vol. 93:109096, 1993.	
	BK		Fujii, Chemical Abstracts, Vol. 93:10520, 1993.	
	BL		Yamanaka, Chemical Abstracts, Vol. 93:1516, 1993.	
	BM		Yu, Chemical Abstracts, Vol. 119:285511, 1993.	
	BN		Na, Chemical Abstracts, Vol. 122:81924, 1995.	
<i>a</i>	BO		Cserhati, Chemical Abstracts, Vol. 119:151373, 1993.	
Examiner <i>cl</i>			Date Considered <i>1/15/00</i>	
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<b>OTHER</b> (Including Author, Title, Date, Pertinent Pages, etc.)				
<i>a</i>	CA		Toyooka, Chemical Abstracts, Vol. 120:26665, 1994.	
	CB		Gamo, Chemical Abstracts, Vol. 117:211689, 1992.	
	CC		Ishikawa, Chemical Abstracts, Vol. 117:251242, 1992.	
	CD		Hayakawa, Chemical Abstracts, Vol. 92:70434, 1992.	
	CE		Moss, Chemical Abstracts, Vol. 118:7348, 1993.	
	CF		O'Connell, Chemical Abstracts, Vol. 117:111216, 1992.	
	CG		Sardina, Chemical Abstracts, Vol. 117:234474, 1992.	
	CH		Ibrahim, Chemical Abstracts, Vol. 116:174748, 1992.	
	CI		Yamanaka, Chemical Abstracts, Vol. 116:83541, 1992.	
	CJ		Ito, Chemical Abstracts, Vol. 115:49085, 1991.	
	CK		Hawayaka, Chemical Abstracts, Vol. 91:79959, 1991.	
	CL		Hawayaka, Chemical Abstracts, Vol. 91:5253, 1991.	
	CM		Cserhati, Chemical Abstracts, Vol. 115:173812, 1991.	
<i>v</i>	CN		Varga, Chemical Abstracts, Vol. 117:277, 1992.	
Examiner <i>el</i>			Date Considered <i>1/19/01</i>	
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<b>OTHER</b> (Including Author, Title, Date, Pertinent Pages, etc.)				
<i>a</i>	DA		Gamoh, Chemical Abstracts, Vol. 114:220443, 1991.	
	DB		Fujii, Chemical Abstracts, Vol. 114:102053, 1991.	
	DC		Yoshioka, Chemical Abstracts, Vol. 114:74531, 1991.	
	DD		Tomari, Chemical Abstracts, Vol. 90:61403, 1990.	
	DE		Hayakawa, Chemical Abstracts, Vol. 90:6088, 1990.	
	DF		Collins, Chemical Abstracts, Vol. 113:96679, 1990.	
	DG		Zhou, Chemical Abstracts, Vol. 113:152181, 1990.	
	DH		Simmaco, Chemical Abstracts, Vol. 113:55213, 1990.	
	DI		Mostovnikov, Chemical Abstracts, Vol. 114:55033, 1991.	
	DJ		Ejima, Chemical Abstracts, Vol. 113:78788, 1990.	
	DK		Fujiwara, Chemical Abstracts, Vol. 112:35875, 1990.	
	DL		Tomari, Chemical Abstracts, Vol. 112:179020, 1990.	
	DM		Iwakuma, Chemical Abstracts, Vol. 89:66056, 1989.	
	DN		Lubell, Chemical Abstracts, Vol. 111:115731, 1989.	
<i>a</i>	DO		Langlois, Chemical Abstracts, Vol. 112:178424, 1990.	
Examiner <i>Ch</i>			Date Considered <i>4/19/00</i>	
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

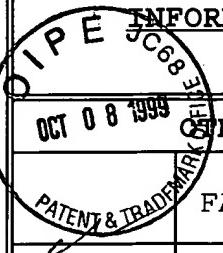
EA	Nishi, Chemical Abstracts, Vol. 112:131596, 1990.
EB	Otto, Chemical Abstracts, Vol. 115:136711, 1991.
EC	Belenkii, Chemical Abstracts, Vol. 111:146061, 1989.
ED	Ryan, Chemical Abstracts, Vol. 110:147868, 1989.
EE	Hayakawa, Chemical Abstracts, Vol. 110:8191, 1989.
EF	Takemura, Chemical Abstracts, Vol. 11:75160, 1989.
EG	Hayakawa, Chemical Abstracts, Vol. 109:211064, 1988.
EH	Tagawa, Chemical Abstracts, Vol. 88:67487, 1988.
EI	Bellattar, Chemical Abstracts, Vol. 88:21212, 1988.
EJ	Bhushan, Chemical Abstracts, Vol. 110:131593, 1989.
EK	Shono, Chemical Abstracts, Vol. 109:118111, 1988.
EL	McClung, Chemical Abstracts, Vol. 109:69689, 1988.
EM	Tagawa, Chemical Abstracts, Vol. 107:176302, 1987.
EN	Atarashi, Chemical Abstracts, Vol. 108:131711, 1988.
EO	Reitsma, Chemical Abstracts, Vol. 106:112841, 1987.

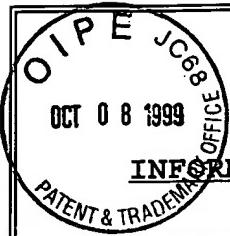
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1/19/08

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<b>OTHER</b> (Including Author, Title, Date, Pertinent Pages, etc.)			
 OCT 08 1998			
FA		Slegel, Chemical Abstracts, Vol. 108:197550, 1988.	
	FB	Kasai, Chemical Abstracts, Vol. 107:129386, 1987.	
	FC	Imai, Chemical Abstracts, Vol. 107:168033, 1987.	
	FD	Takeuchi, Chemical Abstracts, Vol. 108:205042, 1988.	
	FE	Hayakawa, Chemical Abstracts, Vol. 106:119895, 1987.	
	FF	Belattar, Chemical Abstracts, Vol. 106:219573, 1987.	
	FG	Takeda, Chemical Abstracts, Vol. 105:153560, 1986.	
	FH	Iwakuma, Chemical Abstracts, Vol. 86:186669, 1986.	
	FI	Wada, Chemical Abstracts, Vol. 86:3609, 1986.	
	FJ	Moyer, Chemical Abstracts, Vol. 106:18305, 1987.	
	FK	Zaher, Chemical Abstracts, Vol. 107:7583, 1987.	
	FL	Levina, Chemical Abstracts, Vol. 106:134510, 1987.	
	FM	Voigt, Chemical Abstracts, Vol. 107:97096, 1987.	
	FN	Voigt, Chemical Abstracts, Vol. 106:176825, 1987.	
<i>u</i>	FO	Bianchi-Bosisio, Chemical Abstracts, Vol. 104:164657, 1986.	
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a	GA	Shimizu, Chemical Abstracts, Vol. 105:71819, 1986.
	GB	Takeda, Chemical Abstracts, Vol. 104:109698, 1986.
	GC	Iwakuma, Chemical Abstracts, Vol. 104:88453, 1986.
	GD	Cupps, Chemical Abstracts, Vol. 103:178594, 1985.
	GE	Maeda, Chemical Abstracts, Vol. 103:123873, 1985.
	GF	Muramoto, Chemical Abstracts, Vol. 103:88190, 1985.
	GG	Liao, Chemical Abstracts, Vol. 103:101248, 1985.
	GH	Barluenga, Chemical Abstracts, Vol. 104:50514, 1986.
	GI	Wada, Chemical Abstracts, Vol. 101:151603, 1984.
	GJ	Maurer, Chemical Abstracts, Vol. 100:86080, 1984.
	GK	Clark, Chemical Abstracts, Vol. 100:156954, 1984.
	GL	Miyaguchi, Chemical Abstracts, Vol. 101:226284, 1984.
	GM	Fujisawa, Chemical Abstracts, Vol. 100:120622, 1984.
	GN	Yoshihara, Chemical Abstracts, Vol. 99:23012, 1983.
a	GO	Sakurai, Chemical Abstracts, Vol. 98:10774, 1983.

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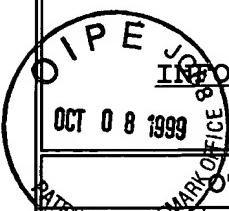
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<b>OTHER</b> (Including Author, Title, Date, Pertinent Pages, etc.)				
<i>CL</i> PATENT & TRADEMARK OFFICE OCT 08 1999	IA		Karger, Chemical Abstracts, Vol. 90:147896, 1979.	
	IB		Metrione, Chemical Abstracts, Vol. 89:180326, 1978.	
	IC		Klimek, Chemical Abstracts, Vol. 93:72234, 1980.	
	ID		El-Naggar, Chemical Abstracts, Vol. 88:121704, 1978.	
	IE		Kusch, Chemical Abstracts, Vol. 89:2490, 1978.	
	IF		Mairanovskii, Chemical Abstracts, Vol. 86:140428, 1977.	
	IG		Hayes, Chemical Abstracts, Vol. 85:137108, 1976.	
	IH		Sudlow, Chemical Abstracts, Vol. 86:37492, 1977.	
	II		Klimek, Chemical Abstracts, Vol. 89:103031, 1978.	
	IJ		Klimek, Chemical Abstracts, Vol. 89:102994, 1978.	
	IK		Henry, Chemical Abstracts, Vol. 84:31125, 1976.	
	IL		Miyoshi, Chemical Abstracts, Vol. 83:193088, 1975.	
	IM		Fujii, Chemical Abstracts, Vol. 83:43713, 1975.	
	IN		Sudlow, Chemical Abstracts, Vol. 84:69223, 1976.	
<i>CL</i>	IO		Wyszynski, Chemical Abstracts, Vol. 84:173364, 1976.	
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<i>cr</i>	JA		El-Naggar, Chemical Abstracts, Vol. 83:43714, 1975.	
	JB		Teichgraeber, Chemical Abstracts, Vol. 81:11494, 1974.	
	JC		Lapuk, Chemical Abstracts, Vol. 81:4232, 1974.	
	JD		Vigny, Chemical Abstracts, Vol. 81:74341, 1974.	
	JE		Rudinger, Chemical Abstracts, Vol. 80:48358, 1974.	
	JF		Klimek, Chemical Abstracts, Vol. 81:91909, 1974.	
	JG		Chimiak, Chemical Abstracts, Vol. 79:115871, 1973.	
	JH		Munier, Chemical Abstracts, Vol. 78:58763, 1973.	
	JI		Seiler, Chemical Abstracts, Vol. 76:22671, 1972.	
	JJ		Wei, Chemical Abstracts, Vol. 73:3947, 1970.	
	JK		Muehle, Chemical Abstracts, Vol. 69:52175, 1968.	
	JL		Pfenninger, Chemical Abstracts, Vol. 68:95874, 1968.	
	JM		Schoellmann, Chemical Abstracts, Vol. 68:69316, 1968.	
	JN		Chen, Chemical Abstracts, Vol. 67:40166, 1967.	
<i>cr</i>	JO		Morse, Chemical Abstracts, Vol. 64:13073d, 1966.	
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<b>OTHER</b> (Including Author, Title, Date, Pertinent Pages, etc.)				
<i>CR</i>	LA		Beilstein Registration Number 27462.	
	LB		Brenner, Chemical Abstracts, Vol. 126:225550, 1997.	
	LC		MacPherson, Chemical Abstracts, Vol. 97:88995, 1997.	
	LD		MacPherson, Chemical Abstracts, Vol. 125:247383, 1996.	
	LE		MacPherson, Chemical Abstracts, Vol. 125:34156, 1996.	
	LF		Hanko, Chemical Abstracts, Vol. 95:110464, 1995.	
	LG		MacPherson, Chemical Abstracts, Vol. 95:88473, 1995.	
	LH		MacPherson, Chemical Abstracts, Vol. 122:314456, 1994.	
	LI		Hanko, Chemical Abstracts, Vol. 120:217671, 1993.	
	LJ		Trost, Chemical Abstracts, Vol. 119:202752, 1993.	
	LK		Aahman, Chemical Abstracts, Vol. 118:80750, 1992.	
	LL		Pinschmidt, Chemical Abstracts, Vol. 89:74314, 1987.	
	LM		Pinschmidt, Chemical Abstracts, Vol. 88:77582, 1987.	
	LN		Pinschmidt, Chemical Abstracts, Vol. 107:116414, 1986.	
	LO		Pinschmidt, Chemical Abstracts, Vol. 107:40526, 1986.	
	LP		Pinschmidt, Chemical Abstracts, Vol. 87:62109, 1987.	
<i>CR</i>	LQ		Pinschmidt, Chemical Abstracts, Vol. 87:32322, 1987.	
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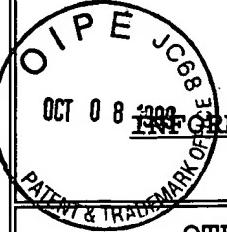
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<b>INFORMATION DISCLOSURE CITATION</b>			Applicant HAMILTON, NORMAN, WU	
			Filing Date 12/3/98	Group Art Unit 1614
<b>OTHER</b> (Including Author, Title, Date, Pertinent Pages, etc.)				
 <i>a</i>	MA	Air Products and Chemicals, Chemical Abstracts, Vol. 106:177060, 1986.		
	MB	Shono, Chemical Abstracts, Vol. 99:87977, 1983.		
	MC	Kyowa Hakko Kogyo Co., Ltd., Chemical Abstracts, Vol. 94:208700, 1980.		
	MD	Kyowa Hakko Kogyo Co., Ltd., Chemical Abstracts, Vol. 94:156735, 1980.		
	ME	Adesogan, Chemical Abstracts, Vol. 92:110942, 1979.		
	MF	Kuwano, Chemical Abstracts, Vol. 76:100005, 1971.		
	MG	Kuwano, Chemical Abstracts, Vol. 76:113179, 1971.		
	MH	Wei, Chemical Abstracts, Vol. 73:3791, 1970.		
	MI	Wei, Chemical Abstracts, Vol. 73:3790, 1970.		
	MJ	Wei, Chemical Abstracts, Vol. 73:3793, 1970.		
	MK	Wei, Chemical Abstracts, Vol. 73:3792, 1970.		
	ML	Wei, Chemical Abstracts, Vol. 71:81154, 1969.		
	MM	Wei, Chemical Abstracts, Vol. 66:28803, 1966.		
	MN	Chemical Abstracts, Vol. 64:12677e.		
	MO	Pravda, Beilstein Registration Number 44706 (1955).		
	MP	Decrescenzo, Chemical Abstracts, Vol. 128:167263.		
<i>a</i>	MQ	Koo, Chemical Abstracts, Vol. 128:61425.		
Examiner <i>Chy</i>			Date Considered <i>1/19/00</i>	
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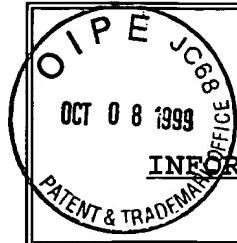
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<b>OTHER</b> (Including Author, Title, Date, Pertinent Pages, etc.)				
<i>O P E J C DCT 08 1999 PATENT &amp; TRADEMARK OFFICE</i>	NA	Zollinger, Chemical Abstracts, Vol. 126:334169.		
	NB	Kojima, Chemical Abstracts, Vol. 128:101960.		
	NC	Kojima, Chemical Abstracts, Vol. 128:88717.		
	ND	Kojima, Chemical Abstracts, Vol. 128:3701.		
	NE	Nagahara, Chemical Abstracts, Vol. 97:31713.		
	NF	Harayama, Chemical Abstracts, Vol. 126:277419.		
	NG	Craig, Chemical Abstracts, Vol. 128:167337.		
	NH	Hiroi, Chemical Abstracts, Vol. 127:80935.		
	NI	Cooper, Chemical Abstracts, Vol. 127:17744.		
	NJ	Littler, Chemical Abstracts, Vol. 126:157674.		
	NK	Takatani, Chemical Abstracts, Vol. 125:33679.		
	NL	Nagahara, Chemical Abstracts, Vol. 96:106515.		
	NM	Nakagawa, Chemical Abstracts, Vol. 126:30930.		
	NN	Tingoli, Chemical Abstracts, Vol. 125:247671.		
	NO	Kojima, Chemical Abstracts, Vol. 125:316228.		
<i>u</i>	NP	Kojima, Chemical Abstracts, Vol. 125:316349.		
Examiner <i>Chy</i>			Date Considered 1/19/00	
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Examiner <i>Cle</i>			Date Considered <i>1/19/00</i>										
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			Filing Date 12/3/98	Group Art Unit 1614
<b>OTHER</b> (Including Author, Title, Date, Pertinent Pages, etc.)				
OA	Miyawaki, Chemical Abstracts, Vol. 125:316226.			
OB	Ibuka, Chemical Abstracts, Vol. 123:169445.			
OC	Fujii, Chemical Abstracts, Vol. 123:314472.			
OD	Sambyal, Chemical Abstracts, Vol. 123:98549.			
OE	Ikeuchi, Chemical Abstracts, Vol. 123:285785.			
OF	Larock, Chemical Abstracts, Vol. 121:157491.			
OG	Renson, Chemical Abstracts, Vol. 120:294521.			
OH	Roos, Chemical Abstracts, Vol. 121:167365.			
OI	Manickum, Chemical Abstracts, Vol. 122:159795.			
OJ	Nagahara, Chemical Abstracts, Vol. 120:107001.			
OK	Knight, Chemical Abstracts, Vol. 120:54423.			
OL	Cooper, Chemical Abstracts, Vol. 117:171212.			
OM	Aahman, Chemical Abstracts, Vol. 118:80750.			
ON	Cooper, Chemical Abstracts, Vol. 118:22104.			
OO	Toshimitsu, Chemical Abstracts, Vol. 118:7085.			
OP	Trybulski, Chemical Abstracts, Vol. 115:8572.			
Examiner	<i>cc</i>	Date Considered	<i>1/19/00</i>	
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<b>FORM PTO-1449</b> <b>INFORMATION DISCLOSURE CITATION</b> <small>OCT 08 1999</small>			Attorney Docket AR218-X	Serial Number 09/204,236
			Applicant HAMILTON, NORMAN, WU	Filing Date 12/3/98
<b>OTHER</b> (Including Author, Title, Date, Pertinent Pages, etc.)				
	PA	Trybulski, Chemical Abstracts, Vol. 91:22654.		
	PB	Merlin, Chemical Abstracts, Vol. 115:92678.		
	PC	Manickum, Chemical Abstracts, Vol. 117:47892.		
	PD	Cooper, Chemical Abstracts, Vol. 116:83582.		
	PE	Takahashi, Chemical Abstracts, Vol. 115:8231.		
	PF	Rosini, Chemical Abstracts, Vol. 115:29647.		
	PG	Alker, Chemical Abstracts, Vol. 115:29390.		
	PH	Constansa, Chemical Abstracts, Vol. 90:46562.		
	PI	Trybulski, Chemical Abstracts, Vol. 114:6196.		
	PJ	Langlois, Chemical Abstracts, Vol. 112:178424.		
	PK	McIntosh, Chemical Abstracts, Vol. 109:148669.		
	PL	Merlin, Chemical Abstracts, Vol. 109:170689.		
	PM	Frigola, Chemical Abstracts, Vol. 109:37817.		
	PN	Hendrie, Chemical Abstracts, Vol. 109:6914.		
	PO	Shanklin, Chemical Abstracts, Vol. 86:32892.		
	PP	Eslager, Chemical Abstracts, Vol. 101:230467.		
Examiner			Date Considered	1/19/00
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 <b>FORM PTO-1449</b> <b>OCT 08 2002 INFORMATION DISCLOSURE CITATION</b>			Attorney Docket AR218-X	Serial Number 09/204,236-
			Applicant HAMILTON, NORMAN, WU	Filing Date 12/3/98
<b>OTHER</b> (Including Author, Title, Date, Pertinent Pages, etc.)				
<i>a</i>	QA	Kaszubska, Chemical Abstracts, Vol. 101:54832.		
/	QB	Yamashita, Chemical Abstracts, Vol. 97:24187.		
	QC	Holland, Chemical Abstracts, Vol. 79:6866.		
	QD	Holland, Chemical Abstracts, Vol. 78:62679.		
	QE	Koehler, Chemical Abstracts, Vol. 87:134938.		
	QF	Tseng, Chemical Abstracts, Vol. 87:68603.		
	QG	Holland, Chemical Abstracts, Vol. 86:89409.		
	QH	Holland, Chemical Abstracts, Vol. 74:49083.		
	QI	Wiegrebbe, Chemical Abstracts, Vol. 83:9671.		
	QJ	Holland, Chemical Abstracts, Vol. 77:48046.		
	QK	Hite, Chemical Abstracts, Vol. 75:140649.		
	QL	Shafi'ee, Chemical Abstracts, Vol. 70:96027.		
	QM	Shafi'ee, Chemical Abstracts, Vol. 68:77541.		
	QN	CA61:16145e. (1959)		
<i>a</i>	QO	CA60:8034h. (1958)		
Examiner <i>Clif</i>			Date Considered <i>1/19/00</i>	
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FORM PTO-1449

## **INFORMATION DISCLOSURE CITATION**

Attorney Docket  
AR218-X

Serial Number  
09/204,236 ✓

**Applicant**

HAMILTON, NORMAN, WU

Filing Date  
12/3/98

Group Art Unit  
1614

**OTHER** (Including Author, Title, Date, Pertinent Pages, etc.)

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## FORM PTO-1449

INFORMATION DISCLOSURE CITATION

Attorney Docket AR218-X	Serial Number 09/204,236
Applicant HAMILTON, NORMAN, WU	
Filing Date 12/3/98	Group Art Unit 1612

## U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date
a	AA	5,898,029	04/27/99	Lyons et al.			04/12/94
	AB	5,874,449	02/23/99	Hamilton et al.			12/31/96
	AC	5,859,031	01/12/99	Hamilton et al.			05/21/96
	AD	5,846,981	12/08/98	Steiner et al.	O I P E		01/23/97
	AE	5,846,979	12/08/98	Hamilton et al.	OCT 21 1999	J C B	02/28/97
	AF	5,843,960	12/01/98	Steiner et al.	PATENTS TRADEMARK OFFICE	693	01/23/97
	AG	5,801,197	09/01/98	Steiner et al.			05/13/96
	AH	5,801,187	09/01/98	Li et al.			09/25/96
	AI	5,798,355	08/25/99	Steiner et al.			06/07/95
	AJ	5,795,908	08/18/98	Hamilton et al.			01/23/97
	AK	5,786,378	07/28/98	Hamilton et al.			09/25/96
	AL	5,780,484	07/14/98	Zelle et al.			11/13/96
	AM	5,744,485	04/28/98	Zelle et al.			01/23/95
	AN	5,665,774	09/09/97	Armistead et al.			03/08/93
	AO	5,536,737	07/16/96	Kobayashi et al.			11/17/93
	AP	5,519,134	05/21/96	Acevedo et al.			01/11/94
	AQ	5,403,850	04/04/95	Imaki et al.			04/29/94
	AR	4,472,380	09/18/84	Harris et al.			09/27/82
w	AS	4,374,829	02/22/83	Harris et al.			02/17/81

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-Class	Trans-lation
a	AT	WO 99/10340	03/04/99				Yes
	AU	WO 96/06846	03/07/96				Yes
	AV	WO 94/12474	06/09/94				No
	AW	EP 488 258	06/03/92				Yes
w	AX	DE 197 42 263	09/25/97				No

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## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-Class	Trans-lation
C1	BA	DE 3636278	10/24/86				No
C1	BB	JP55-153763					No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

C1	BC	Gudasheva, T.A. et al., "Synthesis and antiamnesic activity of a series of N-acylprolyl-containing dipeptides," Eur. J. Med. Chem., 31 (1996), 151-7.					

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